| Ref<br># | Hits | Search Query   | DBs                                       | Default<br>Operator | Plurals | Time Stamp       |
|----------|------|--|---|---------------------|---------|------------------|
| L2       | 100  | "ZnS:cu;" and phosphor and diode   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR                  | ON      | 2005/08/02 14:58 |
| L3       | 2    | "ZnS:cu, mn" and phosphor and diode                                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR                  | ON      | 2005/08/02 14:59 |
| L4       | 2    | "ZnS:cu, cl" and phosphor and<br>diode                                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR                  | ON      | 2005/08/02 15:00 |
| L5       | 0    | "ZnS:cu, Ce" and phosphor and<br>diode                                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR                  | ON      | 2005/08/02 15:00 |
| L6       | 7    | "ZnS:cu, Ag" and phosphor and<br>diode                                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR                  | ON      | 2005/08/02 15:05 |
| L8       | 0    | "ZnS:cu, tb" and phosphor and diode                                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR                  | ON      | 2005/08/02 15:04 |
| L9       | 0    | "ZnS:cu, i" and phosphor and<br>diode                                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR                  | ON      | 2005/08/02 15:05 |
| L11      | 0    | "ZnS:cu, mg" and phosphor and diode                                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR                  | ON      | 2005/08/02 15:05 |
| L13      | 143  | "ZnS:" near3 (cu and (Ag Ce Tb Cl<br>I Mg Mn)) and phosphor and diode    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR                  | ON      | 2005/08/02 15:07 |
| L15      | 18   | "ZnS.sub."?"Se.sub."\$   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR                  | ON      | 2005/08/02 16:48 |
| L16      | 26   | ("ZnS.sub."\$"Se.sub."\$) ("ZnS.<br>sub."?"Se.sub."\$) and (copper cu)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR                  | ON      | 2005/08/02 17:04 |
| L17      | 16   | (("ZnS.sub."\$"Se.sub."\$) ("ZnS.<br>sub."?"Se.sub."\$)) and (copper cu) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR                  | ON      | 2005/08/02 17:07 |

| L18 | 12   | (("ZnS.sub."\$"Se.sub."\$) ("ZnS.<br>sub."?"Se.sub."\$)) and (copper<br>":cu") | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR   | ON   | 2005/08/02 17:07 |
|-----|------|--|---|------|------|------------------|
| L19 | 0    | (("ZnS.sub."\$"Se.sub."\$) ("ZnS.<br>sub."?"Se.sub."\$)) and ":cu"             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR   | ON   | 2005/08/02 17:07 |
| L20 | 2    | (("ZnS.sub."\$"Se.sub."\$) ("ZnS.<br>sub."?"Se.sub."\$)) and \$":cu"           | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR   | ON   | 2005/08/02 17:07 |
| S3  | 1019 | 252/301.6S.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR   | ON   | 2005/04/14 20:29 |
| S4  | 0    | 252/301.6S.ccls. and "ZnS?.sub.\$"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR   | ON   | 2005/04/05 15:05 |
| S5  | 29   | 252/301.6S.ccls. and "ZnS"?".sub.<br>"\$                                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR   | ON   | 2005/04/05 15:06 |
| S6  | 6    | 252/301.6S.ccls. and "ZnS.sub."\$  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR   | ON   | 2005/04/05 15:26 |
| S7  | 17   | "chalcogenide phosphors"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR   | ON   | 2005/04/05 15:15 |
| S8  | 15   | "ZnS.sub."?"Se.sub."\$   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR · | ON . | 2005/04/14 21:56 |
| S9  | 12   | "ZnS.sub."???"Se.sub."\$   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR   | ON   | 2005/04/14 21:53 |
| S10 | 807  | ZnSSe  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR   | ON   | 2005/04/05 15:43 |
| S11 | 541  | ZnSSe and diode  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR   | ON   | 2005/04/05 15:45 |

| S12   | 439    | ZnSSe and "Light emitting diode"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | ON | 2005/04/05 15:45 |
|-------|--------|---|---|----|----|------------------|
| S13   | 45     | ZnSSe and "Light emitting diode"<br>and Cu  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | ON | 2005/04/05 15:45 |
| S14   | 1599   | 313/503   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | ON | 2005/04/14 20:24 |
| S15   | 2678   | 313/495   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | ON | 2005/04/14 20:24 |
| S16   | 974    | 313/498   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | ON | 2005/04/14 20:24 |
| S17   | 562    | 313/502   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | ON | 2005/04/14 20:24 |
| S18   | 37     | 252/301.6S.ccls. and S and Se and Cu  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | ON | 2005/04/14 21:26 |
| S19   | 37     | 252/301.6S.ccls. and Se and Cu  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | ON | 2005/04/14 20:25 |
| S20 _ | 12     | ("4512911" "4661419" "5140604"<br> "5198679" "5602445" "5648181"<br> "5698857" "5998925" "6006582"<br> "6066861" "6153971" "6255670"<br>).PN.                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | ON | 2005/04/14 20:29 |
| S21   | .1     | (("4512911" "4661419" "5140604<br>" "5198679" "5602445" "5648181<br>" "5698857" "5998925" "6006582<br>" "6066861" "6153971" "6255670<br>").PN.) and Se and Cu | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | ON | 2005/04/14 20:29 |
| S22   | 32<br> | 252/301.6S.ccls. and S and Se and<br>Cu and Zn  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | ON | 2005/04/14 21:26 |
| S25   | 12     | "ZnS.sub."???"Se.sub."\$  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | ON | 2005/08/02 16:48 |

| S26 | 23   | "ZnS.sub."\$"Se.sub."\$          | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR   | ON   | 2005/08/02 16:47 |
|-----|------|----------------------------------|---|------|------|------------------|
| S27 | 1    | "ZnSe.sub."\$"S.sub."\$          | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR   | ON   | 2005/04/14:22:10 |
| S28 | 1    | "ZnSSe:CU"                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR   | ON   | 2005/04/14 22:11 |
| S33 | 87   | "ZnSSe"\$ and CU                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR   | ON   | 2005/04/14 22:13 |
| S34 | 14   | "ZnSSe"\$ same CU                | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR   | ON . | 2005/04/14 22:14 |
| S35 | 2891 | "ZnS"\$ same CU                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR   | ON   | 2005/04/14 22:15 |
| S36 | 660  | "ZnS:cu"                         | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR   | ON   | 2005/04/14 22:15 |
| S37 | 95   | "ZnS:cu" and phosphor and diode  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR   | ON   | 2005/08/02 14:57 |
| S38 | 0    | "ZnSe:cu" and phosphor and diode | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR . | ON   | 2005/04/14 22:25 |
| S39 | 10   | "ZnSe:cu"                        | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR   | ON   | 2005/04/14:22:30 |
| S40 | 1262 | "ZnSe" and cu                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR   | ON   | 2005/04/14 22:30 |
| S41 | 442  | "ZnSe" and cu and diode          | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR   | ON   | 2005/04/14 22:30 |

| S42 | 94  | ("ZnSe" same cu) and diode    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR   | ON . | 2005/04/14 22:49 |
|-----|-----|-------------------------------|---|------|------|------------------|
| S43 | 14  | "5198690"                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR   | ON   | 2005/04/14:22:49 |
| S44 | , 1 | "5198690".pn.                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR   | ON   | 2005/04/14 22:58 |
| S45 | 1   | "5152229 ".pn.                | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR   | ON   | 2005/04/14 23:04 |
| S46 | 1   | "5055363".pn.                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR . | ON   | 2005/04/14 23:04 |
| S47 | 6   | "ZnS.sub.x Se.sub.l-x"        | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR   | ON   | 2005/04/14 23:05 |
| S48 | 1   | "ZnS.sub.x Se.sub.l-x" and cu | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR   | ON   | 2005/04/14 23:05 |